

## IN THE CLAIMS

1. A method of producing seamless steel tubes which comprises:  
rolling a seamless steel tube in a production line comprising a mandrel mill, in which a plurality of reduction stands with reduction rolls are disposed in succession with the directions of reduction varying with respect to each other,

measuring respectively the wall thicknesses within the circumferential directions of the seamless steel tube produced, not only at the direction of reduction but also at directions corresponding to both sides of each axis of the reduction rolls, and

controlling separately and individually based on the results of the measurement of the respective wall thicknesses, the positions of both ends of each axis of the reduction rolls [[at least]] in [[the final] at least a final pair of reduction stands of the mandrel mill so that the deviations in wall thickness can be minimized.